

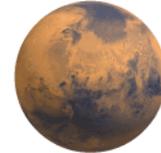
Mars Exploration Science Monthly Newsletter

A publication of the Mars Program Office and the Mars Exploration Program Analysis Group (MEPAG)

October 2013

Mars Science News

Mars 2020 Announcement of Opportunity



General Information:

Solicitation Number: NNH13ZDA018O
Release Date: September 24, 2013
Preproposal Conference: October 8, 2013
Notice of Intent Due Date: October 15, 2013
Proposal Due Date: December 23, 2013

The National Aeronautics and Space Administration (NASA) Science Mission Directorate (SMD) is releasing an Announcement of Opportunity (AO) entitled Mars 2020 Investigations to solicit proposals for investigations for a space flight mission to Mars, to be launched in July/August 2020.

The full text of the AO and any appendices are available electronically at the NASA Solicitation and Proposal Integrated Review and Evaluation System (NSPIRES) website (<http://solicitation.nasaprs.com/Mars2020>). Links to the AO and additional information about the intent and the capabilities of the Mars 2020 rover are located at the Mars 2020 Acquisition Website (<http://soma.larc.nasa.gov/mars2020>).

Investigations comprised of individual instruments or multiple instruments (suites) may respond to the overall Mars 2020 objectives to explore and quantitatively assess Mars as a potential habitat for life, to search for signs of past life, to collect carefully selected samples for possible future return to Earth, and to prepare for future human exploration of Mars.

The Mars 2020 Investigations AO solicits flight investigations for which each Principal Investigator is responsible for a complete space flight investigation, including instrument hardware, mission operations, and data analysis. Although individual PI-managed instrument science investigations do not have a predetermined cost cap, the total allocated cost for all the SMD-funded investigations selected is approximately \$100M in Real Year (RY) dollars for Phases A through D. Additional funding of approximately \$60M RY is allocated for investigation in Phase E. Additionally, exploration technology investigations,

jointly funded by the Human Exploration and Operations Mission Directorate (HEOMD) and Space Technology Mission Directorate (STMD) may be selected at a total cost of approximately \$30M in RY dollars, including Phase E costs. The total payload resources, including mass, power, and data for the instrument complement, will be provided in a Payload Information Package (PIP) posted to the Mars 2020 Acquisition Website. Note that the Mars 2020 Investigations AO may contain provisions that differ from this notice, in which case those in the AO will take precedence.

Participation in this AO is open to all categories of organizations (U.S. and non-U.S.), including educational, industrial, and not-for-profit organizations, Federally Funded Research and Development Centers, University Affiliated Research Centers, NASA centers, the Jet Propulsion Laboratory, and other Government agencies. Principal Investigators are responsible for, and may assemble their investigation teams from, any of these organizations.

A preproposal conference is scheduled for October 8, 2013, via video/teleconference from Washington, DC. Notices of Intent (NOIs) are required and are due October 15, 2013. Proposals are due December 23, 2013.

Contracting Office Address:

NASA Goddard Space Flight Center, NASA Headquarters Acquisition Branch, Code 210.H, Greenbelt, MD 20771

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Dynamic Mars from long-term observations

We are well into the 2nd decade of continuous Mars observations that began with *MGS* and have continued with *ODY*, *MEX*, *MRO*, and our landed spacecraft. Bridged to earlier times by spacecraft observations from the 1960s onwards, and a continuous telescopic campaign, our view of Mars is now one of a planet on which surface and atmospheric changes occur at frequencies of days, years, and decades, a testament to long-term monitoring that continues to this day. At this time, it is appropriate that this record, with implications for Martian geology, climate, atmospheric dynamics, and other processes, be integrated into a journal special section, submitted to *Icarus* by November 15, 2013.

This special issue is for papers that:

- Include surface, sub-surface, and atmosphere observations, or model results, that are new and a unique outcome of the long-term data acquisition provided by Mars spacecraft and telescopes
- Highlight the long-term implications of processes that are observed and ongoing now
- Are *not* reviews of previous work

Author guidelines for preparation of manuscript can be found at

http://www.elsevier.com/wps/find/journaldescription.cws_home/505620/authorinstructions

Please contact the editorial office at icarus@astro.cornell.edu with any questions.

Near-term Due Dates (next three months)

Due	Project
October 14th	Workshop on Planetesimal Formation and Differentiation Registration deadline
October 25th	2014 IEEE Aerospace Conference Abstract deadline
October 31st	First COSPAR Symposium on “Planetary Systems of Our Sun and Other Stars, and the Future of Space
October 31st	5th International Workshop on the Mars Atmosphere : Modelling and Observations Abstract deadline
November 1st	Exoclimes III Registration deadline
November 8th	AGU Fall Meeting Early Registration deadline
December 31st	Humans To Mars Summit 2014 Early Registration Deadline

Upcoming Conferences and Workshops in 2013

Fourth Quarter, 2013		
	October 3-4, 2013 Houston, TX, USA	International Scientific Workshop on Golden Spike Human Lunar Expeditions http://www.lpi.usra.edu/meetings/ggs2013
	October 6-11, 2013 Denver, CO, USA	45th Meeting of the American Astronomical Society Division for Planetary Sciences (DPS 2013) http://aas.org/meetings/45th-meeting-division-planetary-sciences
	October 14-16, 2013 Laurel, MD, USA	Lunar Exploration Analysis Group Meeting http://www.lpi.usra.edu/meetings/leag2013
	October 14-18, 2013 Moscow, RUSSIA	Fourth Moscow International Solar System Symposium http://ms2013.cosmos.ru
	October 16-18, 2013 Sagamihara, Kanagawa JAPAN	Hayabusa 2013: Symposium of Solar System Materials http://hayabusao.isas.jaxa.jp/symposium
	October 20-25, 2013 Les Houches, FRANCE	Planet Mars 4 Workshop http://www.sciops.esa.int/mars4
	October 21-24, 2013 Madrid, SPAIN	Venus Express VIRTIS and VMC Data Workshop http://www.rssd.esa.int/index.php?project=PSA&page=vex_workshop
New!	October 21-November 19, 2013	Indian Mars Orbiter Mission (MOM) Launch Window
	October 27-30, 2013 Denver, CO, USA	Geological Society of America Annual Meeting Mars exploration is revealing a wealth of information regarding the early evolution of the terrestrial planets. We encourage contributions from across the Mars Geoscience community focused on geology and geomorphology in Gale crater as discerned from analysis of data collected by the Curiosity rover and from orbiting spacecraft. http://community.geosociety.org/2013AnnualMeeting/Home/
	October 27-29, 2013 Washington, DC, USA	Workshop on Planetary Formation and Differentiation http://www.hou.usra.edu/meetings/planetary2013
	November 11-15, 2013 Bangkok, THAILAND	First COSPAR Symposium on "Planetary Systems of Our Sun and Other Stars, and the Future of Space Astronomy" http://www.cospar2013.gistda.or.th/
	November 18, 2013	MAVEN Launch Period Opens
	November 19-21, 2013 Washington, DC, USA	Venus Exploration Analysis Group (VEXAG) Meeting http://www.lpi.usra.edu/vexag/ http://www.cvent.com/events/vexag-meeting/event-summary-1fbaf7d9d48f47a4b25499139371edb2.aspx?i=b6024020-67fe-4a9d-9369-7745c399ccac Registration in-advance is strongly encouraged
	December 9-13, 2013 San Francisco, CA, USA	AGU Fall Meeting http://fallmeeting.agu.org/2013/

Future Conferences and Workshops

2014

	January 2014	Mars Express Science Working Team Meeting Contact: Olivier Witasse (owitasse@rssd.esa.int)
New!	January 13-16, 2014 Oxford, ENGLAND	5th International Workshop on the Mars Atmosphere : Modelling and Observations http://www-mars.lmd.jussieu.fr/oxford2014 Abstract deadline October 31st
New!	January 29, 2014 Pasadena, CA, USA	2001 Mars Odyssey PSG
New!	February 9-14th Davos, SWITZERLAND	Exoclimes III http://www.exoclimes.org Registration deadline November 1st
	March 1-8, 2014 Big Sky, MT, USA	IEEE Aerospace Conference http://www.aeroconf.org/
	March 17-21, 2014 Woodlands, TX, USA	45th Lunar and Planetary Science Conference http://www.hou.usra.edu/meetings/lpsc2014/
New!	April 22-24, 2014 Washington, DC	Humans to Mars Summit http://spaceref.com/calendar/calendar.html?pid=8221
	June 16-21, 2014 Noordwijk, NETHERLANDS	48th ESLAB Symposium: New Insights to Volcanism Across the Solar System http://congrexprojects.com/2014-events/48-ESLAB/
	July 14-18, 2014 Pasadena, CA, USA	8th International Conference on Mars
	July 6-11, 2014 Nara, JAPAN	ORIGINS 2014 http://www.origin-life.gr.jp/origins2014/index.html
	July 21-25, 2014 Lanzhou, CHINA	Eighth International Conference on Aeolian Research (ICAR VIII) Special session on extra-terrestrial Aeolian research
	August 2-10, 2014 Moscow, RUSSIA	40th COSPAR 2014 and Associated Events http://www.cospar-assembly.org/
	September 22, 2014	MAVEN Mars Orbit Insertion (MOI)
	October 19-22, 2014 Vancouver, British Columbia, CANADA	Geological Society of America Annual Meeting
	November 9-14, 2014 Tucson, AZ, USA	46th Meeting of the American Astronomical Society Division of Planetary Sciences (DPS 2014) http://dps.aas.org/meetings
	December 15-19, 2014 San Francisco, CA, USA	AGU Fall Meeting

October 2013

2015

	March 2015	46th Lunar and Planetary Science Conference
	November 1-4, 2015 Baltimore, MD, USA	Geological Society of America Annual Meeting

2016

	January 7, 2016	20-Day ExoMars Launch Period Opens
	March 8, 2016	20-Day Insight Launch Window Opens
	September 20, 2016	Insight Arrival at Mars
	October 16, 2016	ExoMars Arrival at Mars

Special holidays to consider when scheduling conferences/workshops/meetings:

Good Friday	3/29/2013	4/18/2014	4/3/2015	4/6/2016	4/14/2017
Rosh Hashanah	9/5/2013	9/25/2014	9/14/2015	9/16/2016	9/20/2017
Yom Kippur	9/14/2013	10/4/2014	9/23/2015	9/25/2016	9/29/2017

(Note that Jewish holidays start at sundown the previous evening)

Thanksgiving Day, U.S.	11/28/2013	11/27/2014	11/26/2015	11/22/2016	11/23/2017
Thanksgiving Day, Canada	10/14/2013	10/13/2014	10/12/2015	10/8/2016	10/9/2017
Christmas Day	12/25/2013	12/25/2014	12/25/2015	12/25/2016	12/25/2017

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Please send your Mars Community Announcements and calendar items for inclusion in next month's email to:

Carla de la Paz at paz@jpl.nasa.gov, 818-354-3160.

All announcements listed in this newsletter will be posted on the MEPAG website, available at:

<http://mepag.jpl.nasa.gov>